

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER D-418-2

Relating to Exemptions Under Section 27156  
of the California Vehicle Code

Roush Industries  
Processor Assembly - Roush Horsepower

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the installation of the Processor Assembly - Roush Horsepower, produced and marketed by Roush Industries of 777 Republic Drive, Suite E, Allen Park, MI 48101, has been found not to reduce the effectiveness of the applicable vehicle pollution control systems and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the 2001 & 2002 Roush Stage 3 Mustang, manual & automatic transmissions (p/n G3ZE-12A650-AA & G3ZE-12A650-BA).

The Processor Assembly - Roush Horsepower is a replacement powertrain control module to be installed by authorized Roush Industries, or Ford facilities to ensure compatibility with the existing passive anti-theft system.

This Executive Order is valid provided that the installation instructions for the Processor Assembly - Roush Horsepower will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

Changes made to the design or operating conditions of the Processor Assembly - Roush Horsepower, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

This Executive Order shall not apply to any Processor Assembly - Roush Horsepower advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

Marketing of the Processor Assembly - Roush Horsepower using any identification other than that shown in this Executive Order or marketing of the Processor Assembly - Roush Horsepower for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board.

This Executive Order does not constitute any opinion as to the effect the use of the Processor Assembly - Roush Horsepower units may have on any warranty either expressed or implied by the vehicle manufacturer.

This Executive Order is granted based on emission results submitted by Roush Industries in certifying their 2003 Stage 3 Mustang as a small volume new vehicle (E.O. A-344-0003, engine family 3RIIV04.6RP1) which is certified to the Transitional Low-Emission Vehicle Passenger Car standard (TLEV, PC). The certification emission test results submitted for new vehicle certification have been accepted as representative of emissions in the modified configuration. Comparison of the 2003 Roush Stage 3 Mustang certification emission levels with the 2002/2001 Roush Stage 3 Mustang emission standards shows that use of the 2003 Processor Assembly - Roush Horsepower on the 2001 to 2002 Roush Stage 3 Mustangs will not have an adverse effect on emissions.

The certification emission results for the 2003 Roush Stage 3 Mustang are shown below (in grams per mile):

50k	NMOG	CO	NOx	HCHO
Emission Level	0.123	1.0	0.1	0.001
(w. DF applied)				
STD	0.125	3.4	0.4	0.015
100k	NMOG	CO	NOx	HCHO
Emission Level	0.123	1.0	0.1	0.001
(w. DF applied)				
STD	0.156	4.2	0.6	0.018

Roush Industries has demonstrated OBD II compliance of the Processor Assembly - Roush Horsepower during certification of the Roush Stage 3 Mustang. Therefore, based on the test results, the staff concludes that the Processor Assembly - Roush Horsepower meets the criteria for exempting general criteria parts. However, the ARB finds that reasonable grounds exist to believe that use of the Processor Assembly - Roush Horsepower may adversely affect emissions of motor vehicles when operating under conditions outside the parameters of the CVS-75 Federal Test Procedure. Accordingly, the ARB reserves the right to conduct additional emission tests, in the future, as such tests are developed, that will more adequately measure emissions from all cycle phases. If such test results demonstrate that the Processor Assembly - Roush Horsepower adversely affects emissions during off-cycle conditions (defined as those conditions which are beyond the parameters of the Cold-Start CVS-75 Federal Test Procedure), this Executive Order shall be effectively rescinded as of the date the test results are validated. Further, if such test results or other evidence provides the ARB with reason to suspect that the Processor Assembly - Roush Horsepower will affect the durability of the emission control system, Roush Industries shall be required to submit durability data to show that the durability of the vehicle emission control system is not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

If evidence provides the ARB with reason to suspect that the Processor Assembly - Roush Horsepower will affect the durability of emission control systems, Roush Industries shall be required to submit durability data to show that the durability of vehicle emission control systems are not, in fact, affected and/or that the add-on or modified part demonstrates adequate durability.

The ARB reserves the right in the future to review this Executive Order and the exemption provided herein to assure that the exempted add-on or modified part continues to meet the standards and procedures of Title 13, California Code of Regulations, Section 2222, et seq.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF ROUSH INDUSTRIES'S PROCESSOR ASSEMBLY - ROUSH HORSEPOWER.

No claim of any kind, such as "Approved by the Air Resources Board", may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination is made after the hearing that grounds for revocation exist.

Executed at El Monte, California, this 21<sup>ST</sup> day of April, 2003.

  
Allen Lyons, Chief  
Mobile Source Operations Division